



- 1) Constructing mechanically-stabilized earth (MSE) abutments
- 2) Installing a pre-manufactured 16' wide by 80' long bridge.

C001 - General Project location and Notes.
C002 - Plan View and Centerline Section View.
C003 - Section Views.

- 1) Pre-manufactured bridge details and installation manual.
- 2) MSE wall installation manual.

NOTES:

1. ENGINEERED FILL – WHERE FILL IS TO BE PLACED BEHIND OR ABOVE THE REINFORCED SOIL ZONE, IT SHALL CONSIST OF SOIL AND/OR SOIL-AGGREGATE MIXTURES GENERALLY LESS THAN 4 INCHES IN MAXIMUM DIMENSION, FREE OF VISIBLE ORGANIC OR OTHER DELETERIOUS DEBRIS, AND HAVE A LOW PLASTICITY (PI <6). TYPICALLY, WELL-GRADED MIXTURES OF GRAVEL, SAND, NON-PLASTIC SILT, AND SMALL QUANTITIES (LESS THAN 15 PERCENT) OF CLAY ARE ACCEPTABLE FOR USE AS ENGINEERED FILL (SEE TABLE 3-2, FHWA NHI-10-024). ENGINEERED FILL SHALL BE UNIFORMLY MOISTURE-CONDITIONED TO WITHIN 2 PERCENT OF OPTIMUM MOISTURE CONTENT, PLACED IN HORIZONTAL LIFTS LESS THAN 8 INCHES IN LOOSE THICKNESS, AND COMPACTED TO AT LEAST 95 PERCENT RELATIVE COMPACTION DETERMINED IN ACCORDANCE WITH AASHTO T180.
2. REINFORCED SOIL - MATERIAL USED AS REINFORCED BACKFILL MATERIAL IN THE REINFORCED ZONE SHALL BE DRAINAGE AGGREGATE COMPOSED OF DURABLE CRUSHED STONE CONFORMING TO NO. 57 SIZE PER ASTM C33 WITH THE FOLLOWING PARTICLE-SIZE DISTRIBUTION REQUIREMENTS PER ASTM D422. DRAINAGE AGGREGATE SHALL BE INSTALLED AND COMPACTED IN LIFTS NOT TO EXCEED 8" THICK. COMPACTIVE EFFORT WITHIN 3' OF THE BACK OF THE PRECAST MODULAR BLOCKS SHOULD BE ACCOMPLISHED WITH WALK-BEHIND COMPACTORS. HEAVY EQUIPMENT SHOULD NOT BE OPERATED WITHIN 3' OF THE BACK OF THE PRECAST MODULAR BLOCKS. THE REINFORCED SOIL SHALL EXTEND A MINIMUM OF 1' BEYOND THE EMBEDDED END OF THE GEOGRID REINFORCEMENT LAYERS.

<u>Sieve Size</u>	<u>% Passing</u>
1-½" (38 mm)	100
1" (25 mm)	95-100
½" (13 mm)	25-60
No. 4 (4.76 mm)	0-10
No. 8 (2.38 mm)	0-5

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[illegible]

DO NOT SCALE DIMENSIONS FROM THESE PLANS. FIGURES OR WRITTEN DIMENSIONS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. IT IS INTENDED THAT THE DRAWINGS, DETAILS AND SPECIFICATIONS SHOULD AGREE. SHOULD ANY DISCREPANCY OR APPARENT ERROR OCCUR, THE CONTRACTOR SHALL NOTIFY THE STATE REPRESENTATIVE AT ONCE. UPON DISCOVERY OF CONFLICTS OR ERRORS, THE STATE'S REPRESENTATIVE SHALL SEEK GUIDANCE FROM THE DESIGNER OF RECORD TO RESOLVE THE PROBLEM AND WHOSE DECISION SHALL BE FINAL. FINAL APPROVAL OF THIS PLAN DOES NOT AUTHORIZE OR APPROVE ANY OTHER CONTRACT OR MATERIAL BODY OF APPLICABLE REGULATIONS. FINAL APPROVAL IS SUBJECT TO FIELD INSPECTION. ONE SET OF APPROVED PLANS AND SPECIFICATIONS SHALL BE AVAILABLE ON THE PROJECT SITE AT ALL TIMES.

PROJECT TITLE:
SOQUEL CREEK CROSSING
80' BRIDGE, CROSSING LR1

SOQUEL DEMONSTRATION
STATE FOREST

JOB NUMBER:	
DESIGNED BY:	D. LINDSAY
DRAWN BY:	D. LINDSAY
REVIEWED BY:	
FILE DATE:	
SHEET TITLE:	

PROJECT OVERVIEW
AND NOTES

SHEET NUMBER

C001

1 OF 3 SHEETS

PROJECT PATH

PRINT DATE: